

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: FAIL-SAFE

Report Number: P997310

Luminaire Tested: FSP-14-L3C3-CP250-3000K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997310
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-14-L3C3-CP250-3000K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

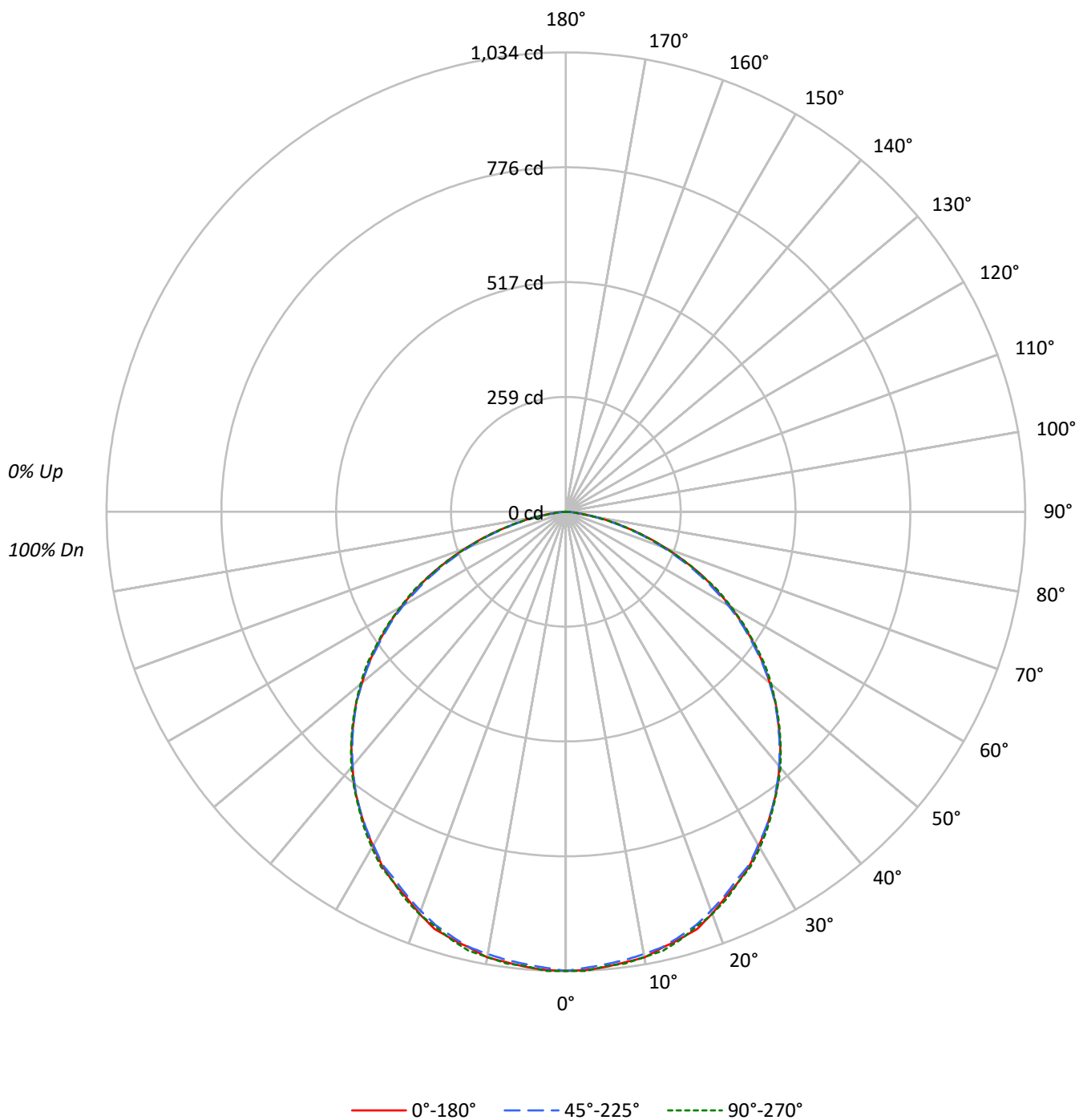
Lumens per Lamp: N/A
Luminaire Lumens: 2797.0 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 28.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	105	101	97	107	103	99	96	98	95	93		95	92	90		91
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71
4	83	72	63	57	81	70	62	56	68	61	55		66	60	55		63
5	77	64	55	49	75	63	55	48	61	54	48		59	52	47		57
6	71	58	49	43	69	57	48	42	55	48	42		53	47	42		52
7	66	52	44	38	64	52	43	37	50	43	37		49	42	37		47
8	61	48	39	34	60	47	39	33	46	38	33		45	38	33		43
9	57	44	36	30	56	43	35	30	42	35	30		41	35	30		40
10	54	40	33	27	52	40	32	27	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3591	3591	3591
5°	3588	3567	3581
10°	3594	3567	3591
15°	3579	3562	3587
20°	3560	3534	3563
25°	3525	3498	3525
30°	3484	3476	3503
35°	3441	3441	3449
40°	3390	3390	3408
45°	3324	3320	3339
50°	3237	3237	3264
55°	3121	3098	3145
60°	2979	2938	2993
65°	2773	2692	2765
70°	2437	2357	2417
75°	1967	1888	1967
80°	1357	1319	1357
85°	586	586	586

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 3344 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.7	3.5
10°-20°	280.0	10.0
20°-30°	422.8	15.1
30°-40°	507.7	18.2
40°-50°	522.0	18.7
50°-60°	460.6	16.5
60°-70°	327.8	11.7
70°-80°	154.7	5.5
80°-90°	23.8	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	800.4	28.6
0°-40°	1308.1	46.8
0°-60°	2290.7	81.9
0°-90°	2797.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2797.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1033	1033	1033	1033	1033	
5°	1028	1028	1023	1030	1026	98
15°	995	991	990	994	997	281
25°	919	913	912	918	919	423
35°	811	807	811	815	813	508
45°	676	674	676	680	679	522
55°	515	516	511	517	519	461
65°	337	332	327	332	336	332
75°	146	146	141	144	146	158
85°	15	16	15	15	15	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1033.4	1033.4	1033.4	1033.4	1033.4
2.5°	1032.4	1030.4	1027.5	1031.4	1034.4
5°	1028.5	1027.5	1022.6	1030.4	1026.5
7.5°	1022.6	1024.5	1017.6	1022.6	1025.5
10°	1018.6	1012.7	1010.8	1014.7	1017.6
12.5°	1004.9	1004.9	1003.9	1004.9	1011.7
15°	995.0	991.1	990.1	994.0	997.0
17.5°	984.2	976.3	975.4	978.3	978.3
20°	962.6	955.7	955.7	960.6	963.6
22.5°	939.0	938.0	935.1	943.9	943.9
25°	919.3	913.4	912.4	918.3	919.3
27.5°	896.7	891.8	894.7	894.7	900.6
30°	868.2	866.2	866.2	871.1	873.1
32.5°	840.7	838.7	839.7	842.6	844.6
35°	811.2	807.2	811.2	815.1	813.1
37.5°	781.7	779.7	779.7	782.7	782.7
40°	747.3	744.3	747.3	752.2	751.2
42.5°	714.8	710.9	711.9	716.8	715.8
45°	676.5	674.5	675.5	680.4	679.4
47.5°	641.1	638.1	639.1	639.1	641.1
50°	598.8	598.8	598.8	601.7	603.7
52.5°	558.5	557.5	556.5	561.4	564.4
55°	515.2	516.2	511.3	517.2	519.1
57.5°	472.9	472.9	469.0	472.0	476.9
60°	428.7	425.7	422.8	426.7	430.7
62.5°	381.5	379.5	374.6	377.6	388.4
65°	337.2	332.3	327.4	332.3	336.3
67.5°	288.1	284.2	278.3	283.2	288.1
70°	239.9	237.0	232.0	235.0	237.9
72.5°	193.7	188.8	184.8	188.8	190.7
75°	146.5	145.5	140.6	143.6	146.5
77.5°	105.2	103.2	100.3	105.2	105.2
80°	67.8	67.8	65.9	66.9	67.8
82.5°	38.3	36.4	35.4	37.4	36.4
85°	14.7	15.7	14.7	14.7	14.7
87.5°	2.9	2.0	2.9	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	16.16	17.77	16.53	18.09	18.40	16.16	17.77	16.53	18.09	18.40
	3H	17.70	19.15	18.08	19.48	19.84	17.69	19.14	18.07	19.47	19.83
	4H	18.17	19.53	18.57	19.88	20.25	18.15	19.51	18.55	19.86	20.24
	6H	18.40	19.66	18.81	20.02	20.42	18.39	19.65	18.80	20.01	20.40
	8H	18.43	19.63	18.86	20.02	20.42	18.42	19.62	18.84	20.01	20.41
	12H	18.43	19.58	18.86	19.96	20.39	18.41	19.56	18.84	19.95	20.38
4H	2H	16.71	18.07	17.11	18.42	18.80	16.71	18.07	17.11	18.42	18.80
	3H	18.44	19.57	18.84	19.97	20.37	18.42	19.56	18.83	19.96	20.36
	4H	18.99	20.01	19.42	20.43	20.86	18.97	19.99	19.41	20.41	20.85
	6H	19.31	20.19	19.76	20.64	21.09	19.29	20.18	19.75	20.62	21.08
	8H	19.35	20.18	19.82	20.63	21.09	19.34	20.17	19.80	20.61	21.08
	12H	19.37	20.11	19.85	20.59	21.06	19.35	20.09	19.83	20.57	21.04
8H	4H	19.17	20.00	19.63	20.45	20.91	19.16	19.99	19.62	20.43	20.90
	6H	19.54	20.23	20.04	20.72	21.19	19.53	20.22	20.02	20.70	21.18
	8H	19.61	20.23	20.13	20.74	21.22	19.60	20.21	20.11	20.72	21.21
	12H	19.64	20.19	20.15	20.68	21.24	19.63	20.17	20.14	20.66	21.22
12H	4H	19.17	19.92	19.65	20.39	20.86	19.16	19.90	19.64	20.38	20.85
	6H	19.54	20.15	20.05	20.66	21.15	19.53	20.14	20.04	20.65	21.14
	8H	19.64	20.18	20.15	20.67	21.24	19.63	20.17	20.14	20.66	21.22

END OF REPORT